

Abstract

The invention relates to a method and a device for determining a variable describing the speed (V_{wheelDef}) of at least one driven wheel (1, 2, 3, 4) of a motor vehicle. In this context, variables describing the respective wheel speeds ($V_{\text{wheel}i}$) for the remaining driven wheels of the motor vehicle, and a variable describing the output rpm (n_{output}) of a transmission (5) of the motor vehicle are determined. To be able to make a reliable variable describing the speed magnitude of the wheel (1, 2, 3, 4) available to a traction control system or a vehicle-dynamics control system of a motor vehicle in spite of the failure of a speed sensor (9, 10, 11, 12) arranged at one of the wheels, it is proposed that the variable describing the speed (V_{wheelDef}) for the at least one driven wheel (1, 2, 3, 4) be determined as a function of the variables which describe the respective wheel speeds ($V_{\text{wheel}i}$) of the remaining driven wheels and as a function of the variable which describes the transmission output rpm (n_{output}).

(Figure 1)

398811